

THE BULLETIN
OF
THE FACULTY OF EDUCATION
UTSUNOMIYA UNIVERSITY

NO. 53, Section 2 March 2003

Articles:

- On a Reflexive Subspace of the Sequence Space m FUJIHIRA Hideyuki 1
- The Hydrological Cycle, Water Pollution and Palaeoenvironment of Tsuruta-numa,
a Small Reservoir in Utsunomiya City (Preliminary Report)
..... MATSUI Seiichiro, ONUKI Hiroko, ISHIHARA Yuji and WAKI Rintaro 5
- The Development of Experimental Materials Using Pineapple Proteinases
..... INOKUCHI Tomofumi, MATSUMOTO Eiko and KAKUYA Takahide 15
- Bubble Nucleation of Superheated Water Droplets on Copper Disks:
The Effect of Washing Condition of Copper Disks
..... SUZUKI Michiyoshi, HARIGAYA Yasuo and TODA Fujio 23
- An Application of a Layered Dielectric Disk Resonator to the Millimeter
Wave Band Pass Filter
..... TOMABECHI Yoshiro, FUTAKAWA Manabu and MATSUBARA Mari 35
- An Analysis of Oil Film Temperature, Oil Film Thickness and Heat Transfer
on the Piston Ring of a Diesel Engine
..... HARIGAYA Yasuo, SHIMADA Akiko, SUZUKI Michiyoshi and TODA Fujio 43
- A Performance Analysis of the Stirling Engine Using the Ross Yoke Mechanism
..... TODA Fujio, NAKAJIMA Katsuaki, HARIGAYA Yasuo and SUZUKI Michiyoshi 53
- An Analysis of an Elliptical Dielectric Disk Resonator
..... MATSUBARA Mari, ISHIKAWA Eiichi and TOMABECHI Yoshiro 67

Published by
THE FACULTY OF EDUCATION
UTSUNOMIYA UNIVERSITY